

CONTENTS OF VOLUME 24

Number 1

- Study of diffusion and permeation of gases in undrawn and uniaxially drawn films made from potato and rice starch conditioned at different relative humidities I. ARVANITOYANNIS, M. KALICHEVSKY, J. M. V. BLANSHARD & E. PSOMIADOU (UK)
- 17 Interaction of soluble chitosans with dyes in water. I. Optical evidence S. STEFANCICH, F. DELBEN & R. A. A. MUZZARELLI (Italy)
- Interaction of soluble chitosans with dyes in water. II. Thermodynamic data F. DELBEN, P. GABRIELLI, R. A. A. MUZZARELLI & S. STEFANCICH (Italy).
- 31 Changes with retrogradation of mechanical and textural properties of gels from various starches
 H. INABA, Y. HATANAKA, T. ADACHI, Y. MATSUMURA & T. MORI (Japan)
- All Relationships between the chain flexibilities of chitosan molecules and the physical properties of their casted films
 R. H. CHEN, J. H. LIN & M. H. YANG (Taiwan)
- 47 Chitinases of Streptomyces kurssanovii: purification and some properties I. A. STOYACHENKO, V. P. VARLAMOV & V. A. DAVANKOV (Russia)
- Viscosity of concentrated potato-starch pastesG. LAMMERS & A. A. C. M. BEENACKERS (The Netherlands)
- 61 Studies on the structure of wheat-endosperm arabinoxylans M. S. IZYDORCZYK & C. G. BILIADERIS (Canada)
- 71 Bibliography of Carbohydrate Polymers
- 81 Book Reviews
- 83 Announcements

Number 2

- 85 Modified properties of lintnerized cassava and maize starches K. C. M. RAJA (India)
- 91 Non-aqueous gel permeation chromatography of wheat starch in dimethylacetamide (DMAC) and LiCI: extrusion-induced fragmentation M. L. POLITZ, J. D. TIMPA, A. R. WHITE & B. P. WASSERMAN (USA)
- 101 Effect of heating on formation of curdlan gelsT. HARADA, K. OKUYAMA, A. KONNO, A. KOREEDA & A. HARADA (Japan)
- 107 Polysaccharides of *Pleurotus ostreatus*: Isolation and structure of pleuran, an alkali-insoluble β-D-glucan
 Š. KARÁCSONYI & Ľ KUNIAK (Slovak Republic)

- 113 Substitution patterns of water-unextractable arabinoxylans from barley and malt R. J. VIËTOR, F. J. M. KORMELINK, S. A. G. F. ANGELINO & A. G. J. VORAGEN (The Netherlands)
- 119 Oriented growth of V amylose n-butanol crystals on cellulose W. HELBERT & H. CHANZY (France)
- 123 A rapid semi-automated method for the determination of total and water-extractable pentosans in wheat flours X. ROUAU & A. SURGET (France)
- 133 Partial characterization of cacao pod and stem gums A. FIGUEIRA, J. JANICK & J. N. BeMILLER (USA)
- 139 Structure and properties of the polysaccharides from pea hulls. Part 1: Chemical extraction and fractionation of the polysaccharides
 R. M. WEIGHTMAN, C. M. G. C. RENARD & J.-F. THIBAULT (France)
- 149 Bibliography of Carbohydrate Polymers
- 157 Book Reviews

Number 3

- 161 Solution properties of water-insoluble rye-bran arabinoxylan
 A. EBRINGEROVA, Z. HROMADKOVA (Slovakia), W. BURCHARD, R. DOLEGA &
 W. VORWERG (Germany)
- 171 An immunological method for the determination of the D and L configurations of monosaccharides J. H. PAZUR, A. J. REED & N.-Q. LI (USA)
- 177 Chitosan behaviours in a dispersion of undecylenic acid. Structural parameters S. DEMARGER-ANDRÉ & A. DOMARD (France)
- Physicochemical properties of 'Exogel' exocellular β(1-4)-D-glucuronan from Rhizobium meliloti strain M5N1 C.S. (NCIMB 40472)
 L. DANTAS, A. HEYRAUD, B. COURTOIS, J. COURTOIS & M. MILAS (France)
- 193 Acetylation of a β -1,6-branched β -1,3-glucan, yielding Schizophyllan-acetate A. ALBRECHT & U. RAU (Germany)
- 199 Structural and textural properties of calcium induced, hot-made alginate gels M. PAPAGEORGIOU, S. KASAPIS & M. G. GOTHARD (UK)
- 209 Water soluble derivatives obtained by controlled chemical modifications of chitosan P. LE DUNG, M. MILAS, M. RINAUDO & J. DESBRIÈRES (France)
- 215 Liposomes sequestered in chitosan gel as a delivery device for dapsone S. ALAMELU & K. PANDURANGA RAO (India)

Short Communication

- 223 Rheological measurement of κ-carrageenan during gelation R. K. RICHARDSON & F. M. GOYCOOLEA (UK)
- 227 Bibliography of Carbohydrate Polymers
- 233 Book Reviews

Number 4

235 Rheological study into the ageing process of high methoxyl pectin/sucrose aqueous gels J. A. LOPES DA SILVA & M. P. GONÇALVES (Portugal)

- Purification and physico-chemical properties of an *endo-*1,5-α-L-arabinanase (EC 3.2.1.99) isolated from an *Aspergillus niger* pectinase preparation
 M. P. H. DUNKEL & R. AMADÒ (Switzerland)
- 265 Conformation dependent depolymerisation kinetics of polysaccharides studied by viscosity measurements
 T. HJERDE, T. S. KRISTIANSEN, B. T. STOKKE, O. SMIDSRØD & B. E. CHRISTENSEN (Norway)
- 277 Structural studies of a mucilage from *Abroma augusta* root bark
 N. NAHAR, B. K. HAZRA, M. MOSIHUZZAMAN, M. MAHBUBUR RAHMAN (Bangladesh) &
 R. ANDERSSON (Sweden)
- 281 Investigations into the occurrence of plant cell surface epitopes in exudate gums E. A. YATES & J. P. KNOX (UK)
- 287 Preliminary chemical characterization of unusual eubacterial exopolysaccharides of deep-sea origin J. G. GUEZENNEC, P. PIGNET, G. RAGUENES, E. DESLANDES, Y. LIJOUR & E. GENTRIC (France)
- 295 Tyrosinase-mediated quinone tanning of chitinous materials R. A. A. MUZZARELLI, P. ILARI, W. XIA, M. PINOTTI & M. TOMASETTI (Italy)
- 301 Quaternized xylans: synthesis and structural characterization A. EBRINGEROVÁ, Z. HROMÁDKOVÁ, M. KAČURÁKOVÁ & M. ANTAL (Slovakia)
- 309 Bibliography of Carbohydrate Polymers
- 317 Book Reviews
- 319 Announcements

